

Using HIFLD Open GIS Service Layers

Technical Demonstration

2019 Annual HIFLD Feedback Session

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Introduction and Intention

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Demonstration

- ☐ Overview HIFLD Open (Public) Download Site
- ☐ HIFLD Data Catalog: Location, Download, Search-Filter
- ☐ Access HIFLD Open data through the GeoPlatform Enterprise Site
- ☐ **Connect, Search and Use HIFLD Open GIS Service Layers**
 - ESRI ArcGIS Online
 - ESRI ArcGIS Desktop
 - ESRI ArcGIS Pro



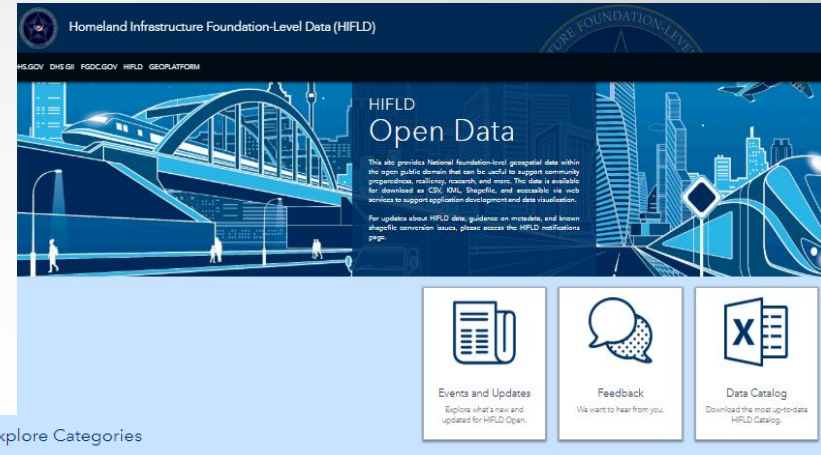
HIFLD Open: Public Website

<https://hifld-geoplatform.opendata.arcgis.com>

- No Login Required
- Access the HIFLD Data Catalog .xls
- Search layers by Text Keyword or Category Navigation
- View Metadata, Download Multiple Formats

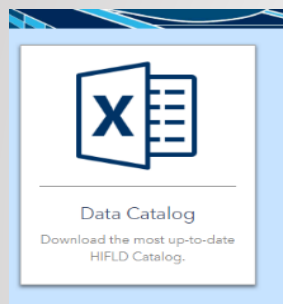
Common Issues/Limitations

- Only View/Download one layer at a time
- Internet Browser
- Metadata format change xml to FGDC
- Large Datasets can timeout during Download



HIFLD Open: Data Catalog

<https://gii.dhs.gov/hifld/content/hifld-data-catalog>



- Updated Frequently
- Microsoft Excel
- Filter Enabled

A	B	C	D	E	F	G	
HIFLD Access Point HIFLD Data layers are available on HIFLD Open or HIFLD Secure, as indicated in this column. Please use the links below to access. - HIFLD Open: https://hifld.geoplatform.opendata.arcgis.com/ - HIFLD Secure: https://gii.dhs.gov/hifld/data/secure/ *Note: HSIIN credentials are required for HIFLD Secure.	Restriction - Open: publicly available on HIFLD Open - Secure: Available on HIFLD Secure (HSIN credentials) - Licensed: Available to eligible users via request on the HIFLD website (https://gii.dhs.gov/hifld/)	Category	Layer Name	Feature Type	Publication Date	Date Uploaded	
HIFLD Open	Open	Agriculture	Poultry Slaughtering and Processing Facilities	Point	Jul-09	Jan-16	Tech
HIFLD Open	Open	Agriculture	State Fairgrounds	Point	Jan-12	Jan-16	National-Geosp
HIFLD Open	Open	Borders	Canada and US Border	Line	Jan-05	Apr-17	National-Geosp
HIFLD Open	Open	Borders	Mexico and US Border	Line	Jan-05	Apr-17	National-Geosp
HIFLD Open	Open	Boundaries	2010 USCB Housing Population	Area	Dynamically updated	Apr-18	U.S. Census
HIFLD Open	Open	Boundaries	Core Based Statistical Areas (CBSA)	Area	Dynamically updated	Apr-18	U.S. Census
HIFLD Open	Open	Boundaries	Environmental Protection Agency (EPA) Regions	Area	Dynamically updated	Dec-16	United States E
HIFLD Open	Open	Boundaries	Federal Lands	Area	Jun-06	Jan-16	United States Ge Atlas
HIFLD Open	Open	Boundaries	Indian Reservations	Area	Jan-16	Apr-17	U.S. Census

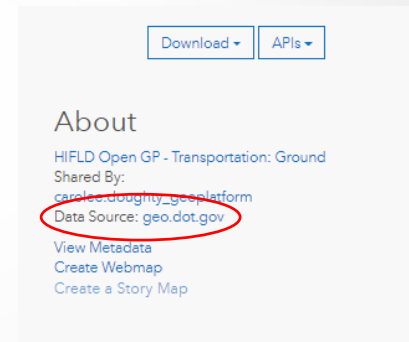
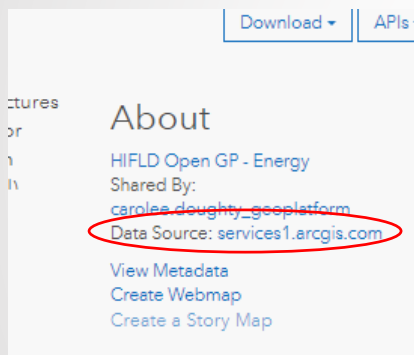
HIFLD Open: Feature Services (Web)

Static data layers received (.shp/.gdb) from the Data Provider

❑ Uploaded and shared as feature service on the GeoPlatform

- Power Plants:

https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/Power_Plants111_gdb/FeatureServer/0



Dynamic data layers received from the Data Provider, Url from Organization Server

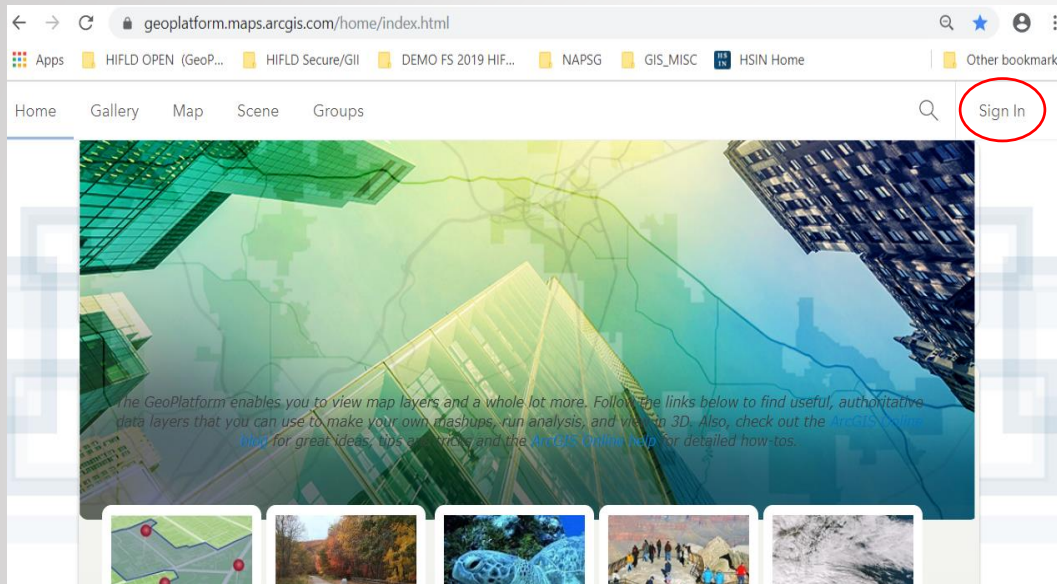
❑ Re-Share feature service on the GeoPlatform

- National Bridge Inventory <NBI> Bridges, (Dept of Transportation):

https://geo.dot.gov/server/rest/services/Hosted/National_Bridge_Inventory_DS/FeatureServer/0

HIFLD Open: GeoPlatform/ ArcGIS Online Enterprise

<https://geoplatform.maps.arcgis.com/home/index.html>



Requires Username/Password Login

Account Request

<https://accounts.geoplatform.gov/register>

Sign in to GeoPlatform.gov with 

Enterprise login ^

GeoPlatform.gov Registered Account

ArcGIS login v

Not a member of this organization?
[Sign in to your account on ArcGIS Online](#)

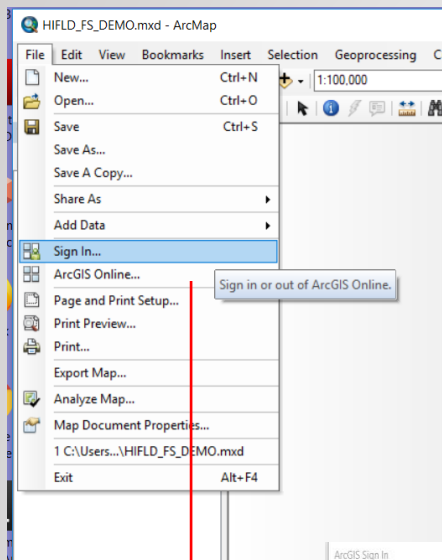
[Privacy](#)

Home Gallery **Map** Scene **Groups** **Content** Organization

ArcGIS Online Functions

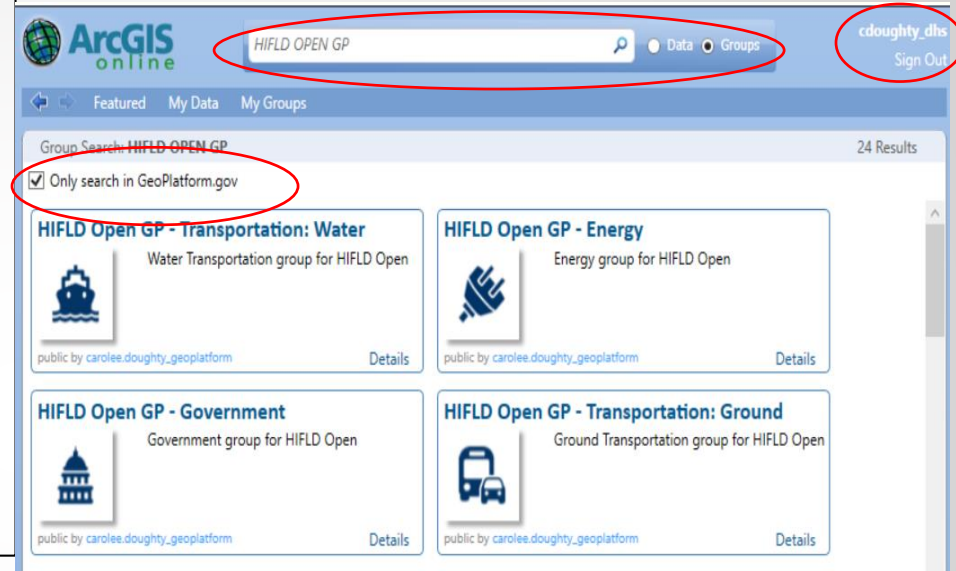
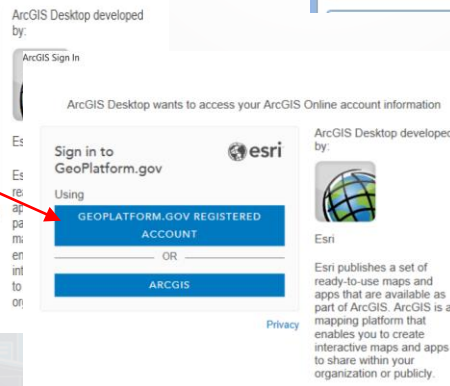
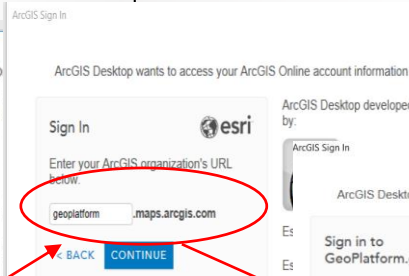
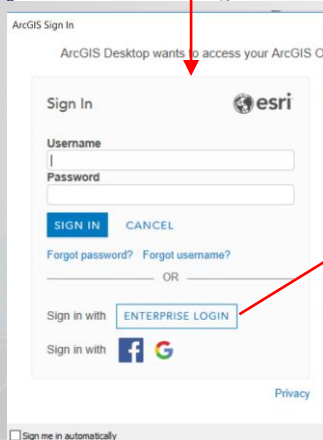
- Content- Save, Add Favorites, Share
- Groups- Access to all HIFLD Open Groups (Categories)
- Map- Create Maps or WebApps

HIFLD Open: ArcGIS Desktop (ArcMap)



☐ Sign into the
GeoPlatform
Enterprise Site
(ArcMap or ArcCatalog)

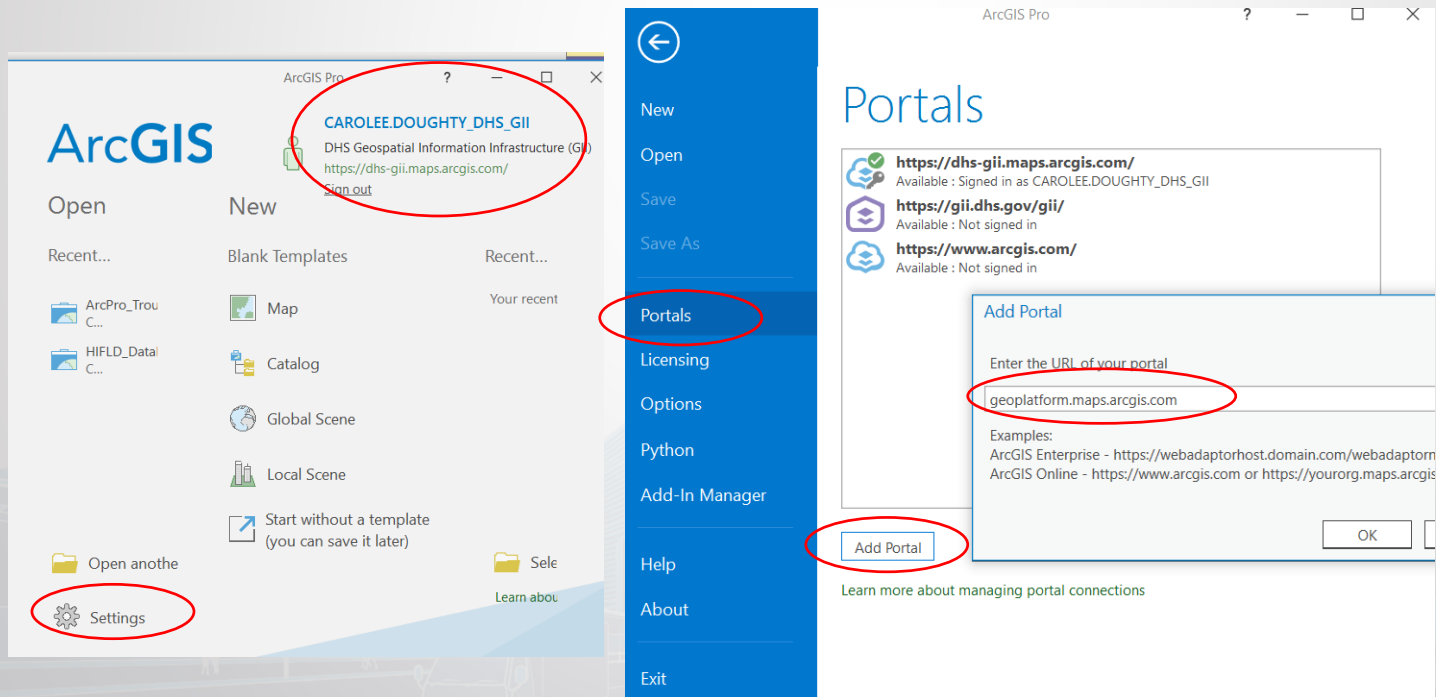
☐ GeoPlatform
Account
Information



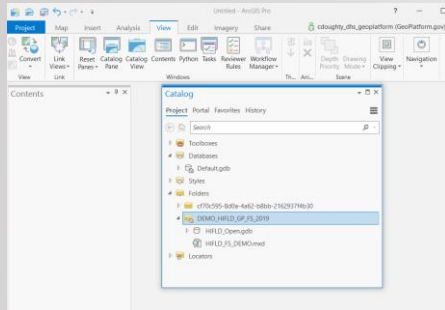
Use the AGOL Search
Window to add HIFLD
Open Data (feature
service) to a .mxd

HIFLD Open: ArcGIS Pro, Connection

- ❑ Launch ArcGIS Pro & Add the GeoPlatform Enterprise Portal
 - Must Sign In to a Portal to use program
 - Use Settings to Manage/Switch Multiple Portal Accounts
- ❑ Add Portal <https://geoplatform.maps.arcgis.com/>
 - Login with GeoPlatform Username/Password & Activate

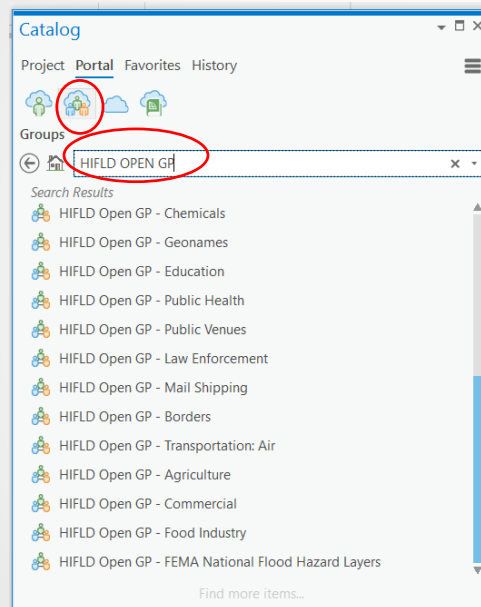


HIFLD Open: ArcGIS Pro, Search/Add

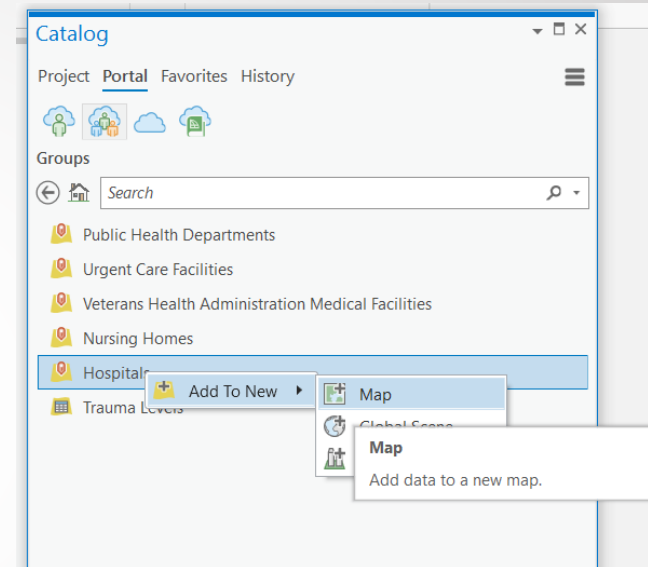


Connect to Project Folders & Geodatabases using Catalog

Search the Portals>Groups for HIFLD Open Data using Catalog



Feature Layers within Group / Added to Map





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